

Fig. 1

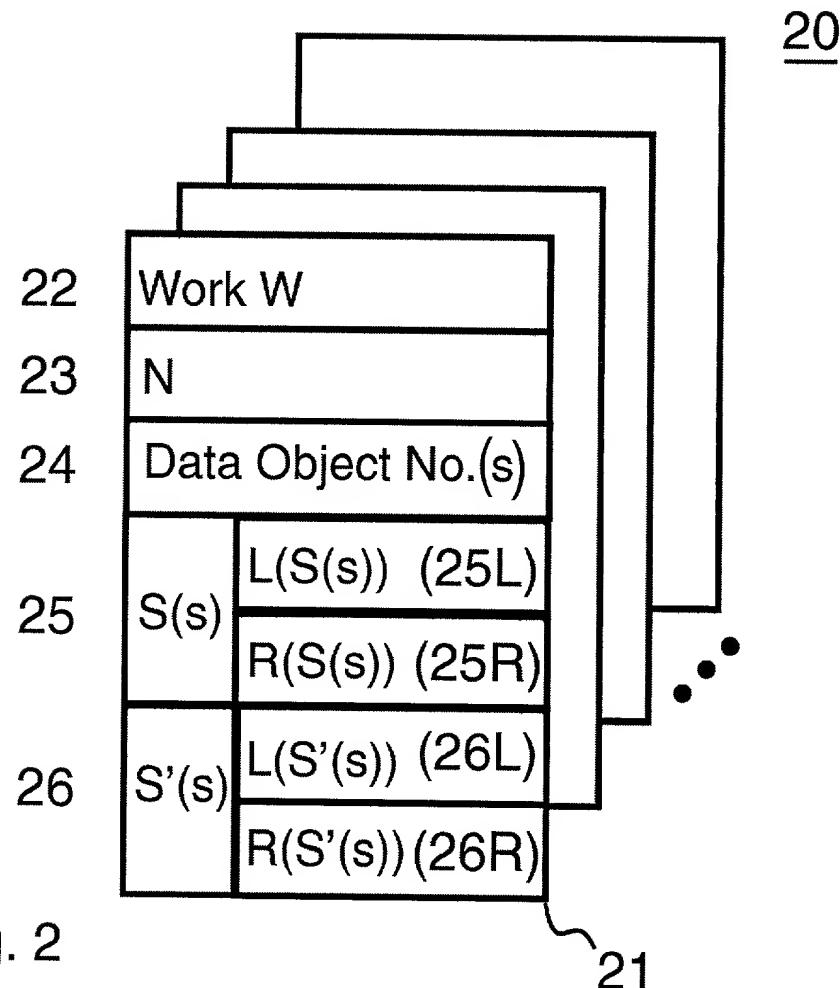


Fig. 2

data set number	$CE(A, W)$	1st set of data objects	2nd set of data objects	data on disc W_A
0	0	$S(0) \checkmark$	$S'(0)$	$S(0)$
1	1	$S(1)$	$S'(1) \checkmark$	$S'(1)$
2	1	$S(2)$	$S'(2) \checkmark$	$S'(2)$
.
.
.
$N-1$	0	$S(N-1) \checkmark$	$S'(N-1)$	$S(N-1)$
31	32	33	34	35

Fig. 3

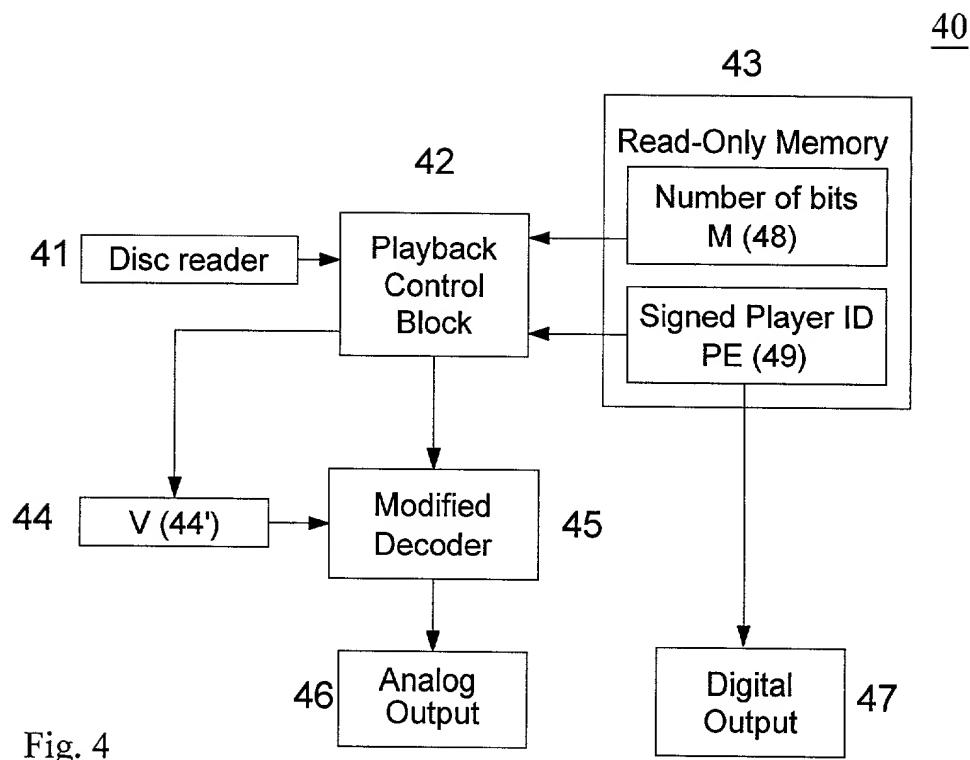


Fig. 4

50

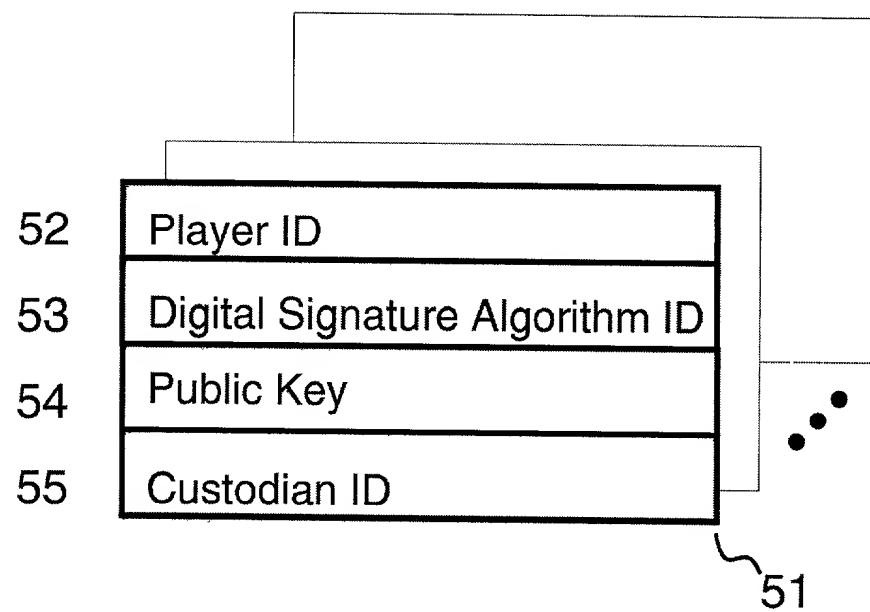


Fig. 5

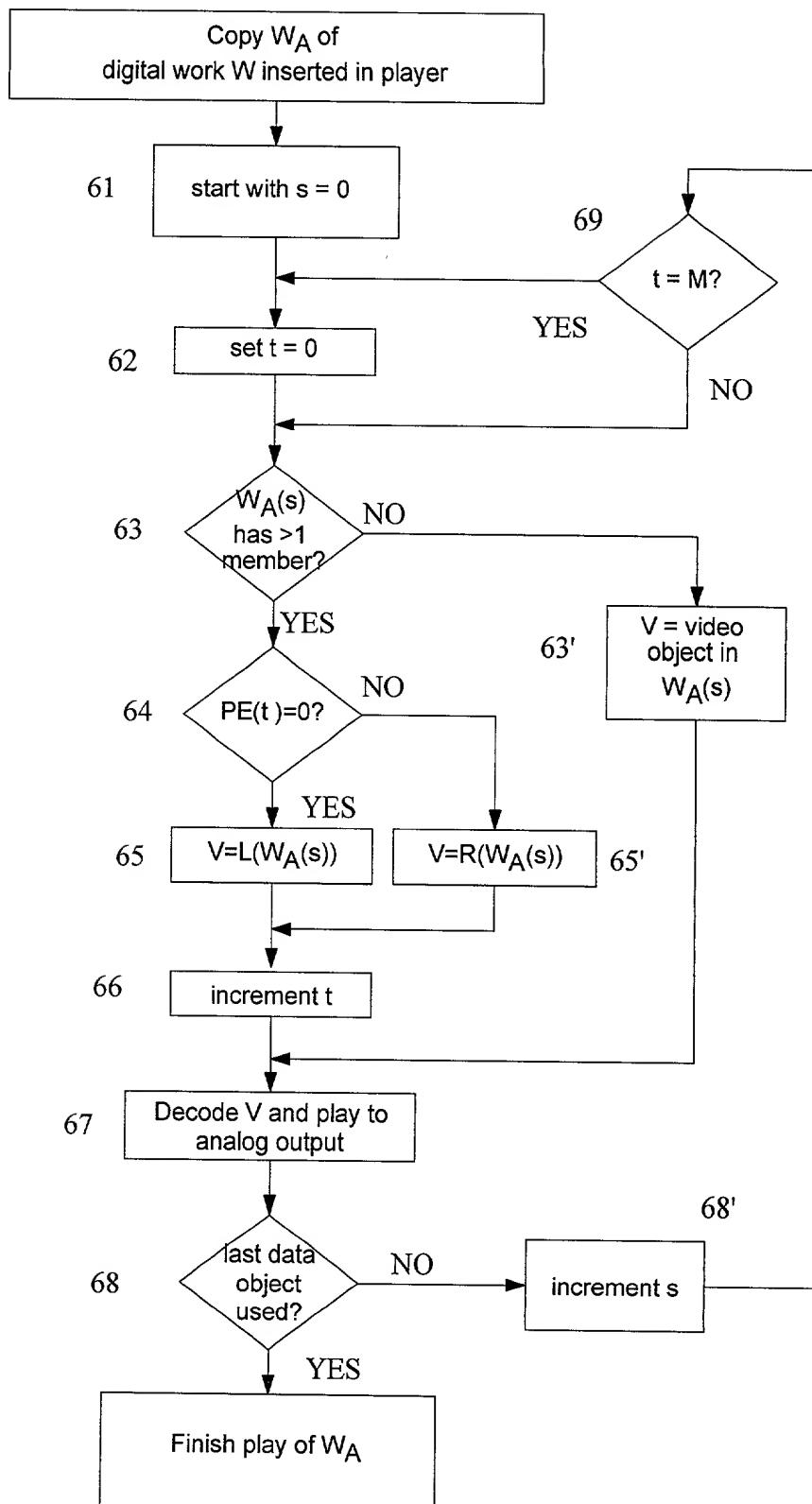


Fig. 6

data object number s	Multiple copies of signed player ID PE	first view	second view	Data used to generate analog signal
0	0	$L(W_A(0))\checkmark$	$R(W_A(0))$	$LW_A(0)$
1	1	$L(W_A(1))$	$R(W_A(1))\checkmark$	$R(W_A(1))$
.
k	x	$W_A(k)$	x	$W_A(k)$
.
N-1	0	$L(W_A(N-1))\checkmark$	$R(W_A(N-1))$	$L(W_A(N-1))$

Fig. 7